ENGLAND GCSE PHYSICS EDEXCEL HIGHER · UNIT 5 · 10 QUESTIONS

Light and the Electromagnetic Spectrum — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A Ferris wheel turns slowly. A person on the wheel moves in a circle. What is the person's speed like?**

- A decreasing speed
- B steady speed
- C zero speed
- D increasing speed

Understand It with Pulse | Flag a mistake

2

A wristwatch measures time. What is the unit of time?

- A the minute
- B the second
- C the day
- D the hour

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3

A guitar string is tightened. What happens to the pitch?

- A it disappears
- B it stays the same
- C it falls
- D it rises

Understand It with Pulse | Flag a mistake

4 **What does a concave lens do to parallel rays of light?**

A it stops them

B it spreads them apart

C it reflects them back

D it brings them together

Understand It with Pulse | Flag a mistake

5 **Which wave has the longest wavelength in the electromagnetic spectrum?**

A gamma rays, which have the shortest wavelength

B ultraviolet, which has a short wavelength

C radio waves

D X-rays, which have a short wavelength

Understand It with Pulse | Flag a mistake

6 **An object 1 cm tall forms an image 5 cm tall. Calculate the magnification.**

A 4

B 10

C 5

D 6

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7 **What are gamma rays used for?**

A transmitting radio signals

B seeing bones inside the body

C treating cancer

D cooking food in a microwave oven

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8 **A kite rises higher. What happens to the wind speed usually?**

- A it stays the same
- B it decreases
- C it becomes zero
- D it increases

Understand It with Pulse | Flag a mistake

9 **Which electromagnetic waves are used for cooking food?**

- A ultraviolet
- B gamma rays
- C microwaves
- D X-rays

Understand It with Pulse | Flag a mistake

10 **What does a convex lens do to parallel rays of light?**

A it stops them

B they meet at a focus

C it reflects them back

D it spreads them apart

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. B
3. D
4. B
5. C
6. C
7. C
8. D
9. C
10. B

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